

Droughts.—Droughts, injurious to vegetation, have been reported as follows: Connecticut, drought, lasting six weeks, ended on the 8th. Maine, Gardner, May and June both very dry; severe drought now prevails. Michigan, Northport, vegetation only partially recovered from the drought of May. North Carolina, Attaway, severe drought ended on the 9th. Vermont, West Charlotte, severe drought much relieved by rain of the 16th and 30th; hay crops will be one-third of the average. Florida, Pensacola, no rains for a month.

Hail-storms.—Hail storms have been reported as follows: 1st, Wis.; 2nd, Kan., Mt. Washington; 4th, Kan.; 5th, Neb., Pike's Peak; 6th, Kan., Neb.; 7th, Tenn., Ind.; 9th, Ill., Mo.; 10th, Dak., Mo., Pike's Peak; 11th, Ill., Ind., Kan., Mich., Dak.; 12th, Iowa, Dak., Mich.; 13th, Ind.; 14th, Neb., N. Y.; 15th, Iowa, Neb.; 16th, N. Y., Pike's Peak; 17th, Iowa; 18th, Pike's Peak; 19th, Iowa, Neb.; 20th, Ohio, Fla.; 22nd, Vt.; 23rd, Kan., Neb.; 24th, Neb.; 25th, Neb., Iowa, Ind.; 26th, Kan., N. C.; 28th, Nev., W. Va., (near Morgantown, breadth of storm one-half to three-quarters of a mile;) 29th, Minn., Wis., Neb., N. Y.; 30th, Ind., Neb., N. Y., Ohio, Wis.

Large Hail-stones.—30th, Genoa, Neb., diameter from half inch to 1 inch; 29th, Nilesville, Wis., diameter half inch, width of storm-track 10 miles; 25th, Dubuque, Iowa, large as quails' eggs; 11th, terrific hail, Leroy, Ill.; 30th, Fort Wayne, Ind., flat disks half inch diameter.

Snow fall.—At Summit, Col., the observer reports snow prevalent in first part of the month, and all traveling done on snow shoes. On Pike's Peak snow fell on the 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 11th, 29th. On Mt. Washington sleet was reported on the 22nd.

Rainy Days.—The number of days on which rain has fallen, as recorded by Signal Service observers, ranges as follows: New England, 11 to 20 days; Middle Atlantic, 10 to 17; South Atlantic, 10 to 16; East Gulf, 9 to 13; West Gulf, 7 to 14; Tennessee and Ohio valley, 13 to 20; Lower Missouri, 15 to 22; Upper Mississippi, 11 to 19; Upper Lake region, 10 to 20; Lower Lake region, 14 to 20; Rocky Mountain stations, 5 to 7.

Cloudy Days.—The number of cloudy days reported during the month, by Voluntary Observers and Army Surgeons, ranges about as follows: New England, 7 to 15; Middle Atlantic States, 4 to 15; South Atlantic States, 6 to 12; East Gulf States, 8 to 18; West Gulf States, 0 to 8; Tennessee and Ohio valley, 7 to 14; Lower Missouri valley, 2 or 3; Upper Mississippi valley, 5 to 12; Lake region, 5 to 17.

RELATIVE HUMIDITY.

The average relative humidity for the month ranges about as follows: New England, 61 to 79; Middle Atlantic States, 67 to 84; South Atlantic States, 70 to 80; East Gulf States, 65 to 80; West Gulf States, 61 to 74; Tennessee and Ohio valley, 68 to 72; Lower Missouri valley, 68 to 71; Upper Mississippi valley, 64 to 71; Upper Lakes, 67 to 74; Lower Lakes, 65 to 74; San Francisco, 66. High stations, uncorrected for altitude, report as follows: Mount Washington, 83; Cheyenne, 38; Salt Lake City, 30; Santa Fe, 20; Pike's Peak, 76; North Platte, 54; Dodge City, 66; Virginia City, 44.

WINDS.

In General.—The prevailing winds at Signal Service stations are shown by arrows on chart No. II, from which it will be seen that, with scarcely an exception, south and southwest winds have been most numerous at all stations east of the Rocky Mountain slope. Northerly winds have prevailed in Oregon and California.

Total Movements.—The largest total movements are as follows: Breckenridge, 9,205 miles; Cape Hatteras, 9,463; Cape Lookout, 10,378; Dodge City, 9,940; Indianola, 10,735; Kitty Hawk, 9,184; North Platte, 10,712; Pike's Peak, 18,894.

Smallest Movements.—Augusta, 2,418; Lynchburg, 2,446; Nashville, 2,891; Shreveport, 3,099.

Highest Velocities in miles per hour, have been: 6th, Dodge City, 60; — Indianola, 60; 18th and 25th, Indianapolis, 50; 25th, Chicago, 50; 19th, Mount Washington, 72; 22d, North Platte, 86; Pike's Peak, 87; 27th, Fort Whipple, 96.

Local Storms, Tornadoes, &c., have been reported as follows: unless specially noted, it is to be understood that the following list of high winds include only local storms, and not such gales as prevailed simultaneously over a large region. 4th, Mt. Carmel, Ill., and Mattoon, Ill., 5:45 p. m., track 1 mile long and 100 feet wide. 5th, waterspout in Elkhorn Valley, Neb.; terrific wind and rain, Charleston, Ill. 6th, Chambersburg, Pa., waterspout. 7th, peculiar hot, dry violent wind, Stockton, Cal. 9th, 5 miles north of Gainesville, Ga., heavy thunder-storm. 14th, Tornado at Rosemont, Dakota Co., and at Langdon, 12 miles